

JUN 24 '02 11:58AM PATENT DEPT

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P-3724-2-F1-C2 PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of Michael J. Sullivan

Serial No.: 09/832,154

Examiner: R. Gorden

Filing Date: April 10, 2001

Group Art Unit: 3711

For: IMPROVED MULTI-LAYER GOLF BALL

Commissioner for Patents & Trademarks
Washington, DC 20231

Duplicate accepted
Mailman date = 1/8/02



Sir:

RESPONSE

Stephen Marcus
Special Program Examiner
Group 3700 6/26/5v

This is in response to the Office Action of December 18, 2001. Please consider the following remarks.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8a)

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

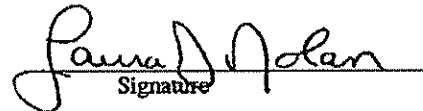
— deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

FACSIMILE

XX transmitted by facsimile to the Patent and Trademark Office to Examiner R. Gorden in TC3700 at 703-872-9302.

Date:

1/8/02


Signature

Laura J. Nolan
(type or print name of person certifying)

JUN 24 '02 11:58AM PATENT DEPT

P.4/9

09/832,154

P-3724-2-F1-C2

REMARKS

Reconsideration of the present application is respectfully requested. Claims 1 to 6 are currently pending, and no claims have been amended.

The Office Action mailed December 18, 2001 addressed Claims 1 to 6. Claims 1 to 6 were rejected.

Claims 1 to 6 were rejected under the judicially created doctrine of obvious-type double patenting as being unpatentable over claims 1 to 8 of U.S. Patent No. 6,210,293. The Examiner stated that although the conflicting claims are not identical, they are not patentably distinct from each other because the claimed subject matter is very similar. The Examiner stated that the present invention claims a golf ball comprising a core, an inner cover and an outer cover, and the inner cover has a Shore D hardness of 60 or more and is made from a blend of two or more low acid ionomer resins containing no more than 16% by weight of an alpha, beta-unsaturated carboxylic acid, and the outer cover layer has a Shore D hardness of 64 or less and is made from a polyurethane or non-ionomeric thermoplastic and thermosetting elastomers. The Examiner further stated that the '293 patent claims a golf ball with identical layers and features except the optional non-ionomeric thermoplastic and thermosetting elastomer materials for the outer cover layer, however the present invention and the '293 patent both claim a polyurethane outer cover. The Examiner concluded that claiming additional materials for the outer cover layer does not render a patentable distinction, and one skilled in the art would have included optional materials for the outer cover layer to increase manufacturing flexibility.

Although Applicant respectfully disagrees with the Examiner, in an effort to hasten prosecution, Applicant herein submits a Terminal Disclaimer which disclaims the terminal portion of any patent granting from the instant application, as required under MPEP § 1490. Applicant respectfully submits that this overcomes the rejection.

The Examiner is invited to telephone Applicant's attorney if it is deemed that a telephone conversation will hasten prosecution of the application.

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P.5/9

09/832,154

P-3724-2-F1-C2

CONCLUSION

Applicant respectfully requests reconsideration and allowance of each of the presently rejected claims, claims 1 to 6. Applicant respectfully requests allowance of claims 1 to 6, the claims currently pending.

Respectfully submitted,

MICHAEL J. SULLIVAN

Customer No. 24492
Phone: (413) 322-2937

Date: January 8, 2002

By: Michelle Bugbee
Michelle Bugbee, Reg. No. 42,370
Spalding Sports Worldwide
Attorney for Applicant
425 Meadow Street
P.O. Box 901
Chicopee, MA 01021-0901

cc: Richard M. Klein, Esquire (SLD 2 0035-3-3-1-1(II))

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#6
T.D
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P-3724-2-F1-C2
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Michael J. Sullivan
Serial No.: 09/832,154
Filed: April 10, 2001
Group No.: 3711
Examiner: R. Gorden
For: Improved Multi-Layer Golf Ball

Commissioner of Patents and Trademarks
Washington, D.C. 20231

**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING
REJECTION (37 CFR 1.321(b))**

Identification Of Person(s) Making This Disclaimer

Name(s) of disclaimant(s): Michelle Bugbee
having an address of: Spalding Sports Worldwide, Inc.
425 Meadow Street
Chicopee, MA 01013

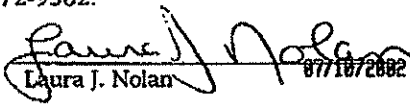
represent that I am

- ☐ an inventor of this invention
☐ an assignee of this invention
☒ **XX** Attorney of record in the present application

CERTIFICATE OF FACSIMILE TRANSMISSION (37 CFR 1.8a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile on the date shown below to the Patent and Trademark Office to Examiner R. Gorden in TC3700 at 703-872-9302.

Date: 6/8, 2002


Laura J. Nolan

07/10/2002 SHILL1 00000001 170150 09832154

(Terminal Disclaimer to Obviate a Double Patenting Rejection (37CFR 1.321(b))
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P.7/9

09/832,154

-2-

P-3724-2-F1-C2

Identity of Assignee and Title of Disclaimant (if applicable)

The assignee is

Name of assignee: Spalding Sports Worldwide, Inc.
Address of assignee: 425 Meadow Street
Chicopee, MA 01013

Title of disclaimant authorized to sign on behalf of assignee:

Associate Patent Counsel

Recordal of Assignment in PTO

XX the assignment to Spalding Sports Worldwide, Inc. from Lisco Inc.
was recorded on Reel: 010232; Frame: 0251 on April 23, 1999;
the assignment to Lisco Inc. was recorded on Reel: 7750; Frame: 0242
on November 9, 1995
— authorization for recordal of the assignment is separately attached

Extent of Interest

The extent of my (our) interest is in

XX the whole of this invention
— a sectional interest in this invention as follows (here
state the exact interest of the disclaimant(s):

Statement Pursuant to 37 C.F.R. 3.73(b)

I the undersigned, have reviewed all the evidentiary documents in the chain
of title of the

XX , patent application
— patent

matter identified above and, to the best of my knowledge and belief, title is in the
assignee identified above which is seeking to take action.

(Terminal Disclaimer to Obviate a Double Patenting Rejection (37CFR 1.321(b))

(9-4)-page 2 of 4)

JUN 24 '02 12:00PM PATENT DEPT

P.8/9

09/832,154

-3-

P-3724-2-F1-C2

Disclaimer

I hereby disclaim the terminal part of any patent granted on the above-identified application, which would extend beyond the expiration date of the full statutory term of:

XX United States Patent No. 6,210,293, as presently shortened by any terminal disclaimer

___ Any patent granted on application number:

and hereby agree that any patent so granted on the above-identified application shall be enforceable only for and during such period that the legal title to said patent shall be the same as the legal title to

XX United States Patent No. 6,210,293

___ Any patent granted on application number:

this agreement to run with any patent granted on the above-identified application and to be binding upon the grantor, its successors or assigns.

Petitioner does not disclaim any terminal part of any patent granted on the above-identified application prior to the expiration date of the full statutory term of

XX United States Patent No. 6,210,293 as presently shortened by any terminal disclaimer

___ Any patent granted on application number:

In the event that it later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321(a), has all claims canceled by a reexamination certificate, or is otherwise terminated prior to expiration of its statutory term as presently shortened by any terminal disclaimer, except for the separation of legal title stated above.

(Terminal Disclaimer to Obviate a Double Patenting Rejection (37CFR 1.321(b))

{9-4}-page 3 of 4)

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09/832,154

-4-

P-3724-2-F1-C2

Fee Status

(37 CFR 1.20(d) and 37 CFR 1.321)

☒ other than a small entity -- fee \$110.00

☐ small entity--fee \$55.00

☐ verified statement attached

☐ verified statement filed on _____

Fee Payment

☐ Attached is a check in the sum of \$ _____

☐ The fee for this Disclaimer was previously paid on ; _____.

☒ Charge Account 17-0150 for any fee deficiency required by this paper.

☒ Charge Account 17-0150 the sum of \$110.00.

Declaration

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Spalding Sports Worldwide, Inc.

Date: January 8, 2002

By: Michelle Bugbee
Michelle Bugbee, Associate Patent Counsel
Reg. No. 42,370
Spalding Sports Worldwide, Inc.
425 Meadow Street, P. O. Box 901
Chicopee, MA 01021-0901

(Terminal Disclaimer to Obviate a Double Patenting Rejection (37CFR 1.321)(b))

(9-4)-page 4 of 4)

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P.1/9

P-3724-2-F1-C2 **PATENT**
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of Michael J. Sullivan

Serial No.: 09/832,154

Examiner: R. Gorden

Filing Date: April 10, 2001

Group Art Unit: 3711

For: IMPROVED MULTI-LAYER GOLF BALL

Assistant Commissioner for Patents

Washington, DC 20231

Sir:

RESPONSE

This is a COPY of the previously faxed Response that was faxed to the USPTO (Group 3700 Non Final at 703-872-9302) on January 8, 2002, the date on the Certificate of Mailing/Transmission. Please accept this COPY of the response.

Respectfully submitted,

MICHAEL J. SULLIVAN

(413)322-2937

Date: June 24, 2002

By

Michelle Bugbee
Michelle Bugbee, Reg. No. 42,370

Attorney for Applicants

Spalding Sports Worldwide

425 Meadow Street, P. O. Box 901

Chicopee, MA 01021-0901

CERTIFICATE OF FACSIMILE TRANSMISSION (37 CFR 1.8a)

I hereby certify that this paper (along with a copy of the Amendment and Terminal Disclaimer) is being transmitted by facsimile on the date shown below to the Patent and Trademark Office to Examiner R. Gorden in TC3700 at 703-746-3208.

Michelle Bugbee
Michelle Bugbee

Date: June 24, 2002

Number of Pages, including this cover sheet: 9

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 01/08/02 15:48:42 USPTO->

4133222575 RICH FAX

P.2/9
 Page 881

TO: Auto-reply fax to 4133222575 COMPANY:

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JAN 08 '02 04:54PM PATENT DEPT	P.2/7
<p align="center">P-3724-2-F2-C2 PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</p>	
<p>In re patent application of Michael J. Sullivan Serial No.: 09/852,154 Examiner: R. Gordon Filing Date: April 10, 2001 Group Art Unit: 3711 For: IMPROVED MULTI-LAYER GOLF BALL</p>	
<p>Commissioner for Patents & Trademarks Washington, DC 20231</p>	
<p>Sur:</p>	
<p align="center"><u>RESPONSE</u></p>	
<p>This is in response to the Office Action of December 18, 2001. Please consider the following remarks.</p>	
<p align="center"><u>CERTIFICATE OF MAILING/TRANSMISSION (7 C.F.R. 1.61)</u></p>	
<p>I hereby certify that the correspondence to, on the date shown below, being:</p>	
<p><u>MAILING</u></p> <p>— deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.</p>	<p><u>FACSIMILE</u></p> <p><u>XX</u> transmitted by facsimile to the Patent and Trademark Office to Examiner R. Gordon in TC1700 at 703-672-6002.</p>
<p>Date: <u>1/8/02</u></p>	<p><u>James D. Nolan</u> Signature James D. Nolan (type or print name of person certifying)</p>
<p>Received from <4133222575> at 1/8/02 3:39:07 PM [Eastern Standard Time]</p>	

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P.1/4

SPALDING SPORTS WORLDWIDE, INC.

425 Meadow Street
P.O. Box 901
Chicopee, MA 01021-0901 U.S.A.

PHONE: 413-536-1200

FAX: 413-322-2575 (LEGAL II & PATENT)

CONFIDENTIAL FACSIMILE TRANSMISSION

TO: Examiner R. Gordon
Phone: 703-308-8354
Fax: 703-746-3208

FROM: Michelle Bugbee (413) 322-2937
DATE: September 25, 2002
PAGES: 4 (includes cover page)

RE: Application Serial Number ~~09/873,642~~ 09/832,154

MESSAGE: Examiner Gordon,

Per our discussion, attached are the original claims from Application Serial No. 08/556,237 (filed 11/9/95), pages 48 to 50. Please note that original claim 8 should be misnumbered and should be claim 6. If you need any additional information, please do not hesitate to contact me. Thank you for your help.

Very truly yours,



Michelle Bugbee
Associate Patent Counsel
Registration No. 42,370

PLEASE CALL LAURA NOLAN AT EXT. 2985 - IF YOU DO NOT RECEIVE ALL PAGES.

CONFIRMATION COPY TO FOLLOW: ☐ YES ☒ NO

CONFIDENTIALITY NOTE:

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P.2/4

I claim:

1. A golf ball comprising:

a core;

an inner cover layer having a Shore D hardness of 60 or more molded on said core, the inner cover layer comprising a
5 blend of two or more low acid ionomer resins containing no more than 16% by weight of an alpha, beta-unsaturated carboxylic acid;
and

an outer cover layer having a Shore D hardness of 64 or less molded on said inner cover layer, said outer cover layer
10 comprising a relatively soft polymeric material selected from the group consisting of non-ionomeric thermoplastic and thermosetting elastomers.

2. A golf ball according to claim 1, wherein the inner cover layer has a thickness of about 0.100 to about 0.010 inches and the outer cover layer has a thickness of about 0.010 to about 0.70 inches, the golf ball having an overall diameter of 1.680 inches or more.

3. A golf ball according to claim 1 wherein the inner cover layer has a thickness of about 0.050 inches and the outer cover layer has a thickness of about 0.055 inches, the golf ball having an overall diameter of 1.680 inches or more.

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P.3/4

4. A golf ball according to claim 1 wherein the outer layer comprises a polyurethane based material.

5. A multi-layer golf ball comprising:

a spherical core;

5 an inner cover layer having a Shore D hardness of about 60 or more molded over said spherical core, said inner cover layer comprising an ionomeric resin including no more than 16% by weight of an alpha, beta-unsaturated carboxylic acid and having a modulus of from about 15,000 to about 70,000 psi;

10 an outer cover layer having a Shore D hardness of about 64 or less molded over said spherical intermediate ball to form a multi-layer golf ball, the outer layer comprising polyurethane based material.

8. A multi-layer golf ball comprising:

a spherical core;

5 an inner cover layer molded over said spherical core to form a spherical intermediate ball, said inner cover layer comprising an ionomeric resin having no more than 16% by weight of an alpha, beta-unsaturated carboxylic acid and having a modulus of from about 15,000 to about 70,000 psi;

an outer cover layer molded over said spherical intermediate ball to form a multi-layer golf ball, the outer layer

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P.4/4

10 comprising a non-ionomeric elastomer selected from the group consisting of polyester elastomer, polyester, polyether polyurethane and polyester amide, said outer cover layer having a modulus in a range of about 1,000 to about 30,000 psi.

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P.1/6 #10/Suppl.
BNOT
B

P-3724-2-F1-C2 PATENT
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of Michael J. Sullivan

Serial No.: 09/832,154

Examiner: R. Gorden

Filing Date: April 10, 2001

Group Art Unit: 3711

For: IMPROVED MULTI-LAYER GOLF BALL

Commissioner for Patents & Trademarks
Washington, DC 20231

ENTER
Supplemental
Amendment
9/26/02 RGS

Sir:

SUPPLEMENTAL AMENDMENT

This is a Supplemental Amendment in response to the Office Action of December 18, 2001. Entry of the following amendment to the application is requested.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. 1.8a)

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

FACSIMILE

— deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

XX transmitted by facsimile to the Patent and Trademark Office to Examiner R. Gorden in TC3700 at 703-746-3208.

Date: Sept. 26, 2002

Laura J. Nolan
Laura J. Nolan

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P.2/6

09/832,154

P-3724-2-F1-C2

IN THE SPECIFICATION

Please replace the paragraph beginning at page 24, line 23 with the following rewritten paragraph:

Other soft, relatively low modulus non-ionomeric thermoplastic elastomers may also be utilized to produce the outer cover layer as long as the non-ionomeric thermoplastic elastomers produce the playability and durability characteristics desired without adversely effecting the enhanced spin characteristics produced by the low acid ionomer resin compositions. Preferably, the non-ionomeric thermoplastic elastomers have a Shore D hardness of 64 or less and a flexural modulus of from about 1,000 to about 30,000 psi. These include, but are not limited to thermoplastic polyurethanes such as: Texin[®] thermoplastic polyurethanes from Mobay Chemical Co. and the Pellethane[®] thermoplastic polyurethanes from Dow Chemical Co.; Ionomer/rubber blends such as those in Spalding U.S. Patents 4,986,545; 5,098,105 and 5,187,013; and, Hytrel[®] polyester elastomers from DuPont and Pebax[®] polyesteramides from Elf Atochem S.A.

IN THE CLAIMS

Please amend claim 6 as follows:

6. (TWICE AMENDED) A multi-layer golf ball comprising:

a spherical core:

an inner cover layer molded over said spherical core to form a spherical intermediate ball, said inner cover layer having a Shore D hardness of 60 or greater and comprising an ionomeric resin having no more than 16% by weight of an alpha, beta-unsaturated carboxylic acid and having a modulus of from about 15,000 to about 70,000 psi;

an outer cover layer molded about said spherical intermediate ball to form a multi-layer golf ball, the outer layer comprising a non-ionomeric elastomer selected from the group consisting of polyester elastomer, polyester, polyether polyurethane and

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B2 polyester amide, said outer cover layer having a modulus in the range of about 1,000 to about 30,000 psi and a Shore D hardness of 64 or less.

REMARKS

Reconsideration of the present application is respectfully requested. Claims 1 to 6 are currently pending, and claim 6 has been amended.

The Office Action mailed December 18, 2001 addressed Claims 1 to 6. Claims 1 to 6 were rejected.

A response and terminal disclaimer were previously submitted on January 8, 2002, and a duplicate copy of the response was submitted on June 24, 2002.

In a telephonic interview with the Examiner on September 25, 2002, Examiner Gorden requested that claim 6 be amended to include the Shore D hardness of both the inner and outer cover layers. Per the Examiner's request, claim 6 has been amended to include Shore D hardness values. Additionally, the specification has been amended to recite the preferred Shore D hardness of the outer cover layer for non-ionomeric elastomers, as well as the flexural modulus of non-ionomeric elastomers. Support for this amendment may be found in the original claims filed in a parent application, U.S. Patent Application Serial No. 08/556,237, filed on November 9, 1995. A copy of the original claims in the parent application was faxed to Examiner Gorden, per her request, on September 25, 2002.

Attached hereto is a marked-up version of the changes made to the application by this Amendment. The Examiner is invited to telephone Applicant's attorney if it is deemed that a telephone conversation will hasten prosecution of the application.

B

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P.4/6

09/832,154

P-3724-2-F1-C2

CONCLUSION

Applicant respectfully requests reconsideration and allowance of each of the presently rejected claims, claims 1 to 6. Applicant respectfully requests allowance of claims 1 to 6, the claims currently pending.

Respectfully submitted,

MICHAEL J. SULLIVAN

Customer No. 24492
Phone: (413) 322-2937

Date: September 26, 2002

By: Michelle Bugbee
Michelle Bugbee, Reg. No. 42,370
Spalding Sports Worldwide
Attorney for Applicant
425 Meadow Street
P.O. Box 901
Chicopee, MA 01021-0901

cc: Richard M. Klein, Esquire (SLD 2 0035-3-3-1-1(II))

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P.5/6

09/832,154

P-3724-2-F1-C2

VERSION WITH MARKINGS TO SHOW CHANGES
IN THE SPECIFICATION

The paragraph beginning at page 24, line 23 has been replaced with the following rewritten paragraph:

Other soft, relatively low modulus non-ionomeric thermoplastic elastomers may also be utilized to produce the outer cover layer as long as the non-ionomeric thermoplastic elastomers produce the playability and durability characteristics desired without adversely effecting the enhanced spin characteristics produced by the low acid ionomer resin compositions. Preferably, the non-ionomeric thermoplastic elastomers have a Shore D hardness of 64 or less and a flexural modulus of from about 1,000 to about 30,000 psi. These include, but are not limited to thermoplastic polyurethanes such as: Texin[®] thermoplastic polyurethanes from Mobay Chemical Co. and the Pellethane[®] thermoplastic polyurethanes from Dow Chemical Co.; Ionomer/rubber blends such as those in Spalding U.S. Patents 4,986,545; 5,098,105 and 5,187,013; and, Hytrel[®] polyester elastomers from DuPont and [pebax] Pebax[®] polyesteramides from Elf Atochem S.A.

IN THE CLAIMS

Claim 6 has been amended as follows:

6. (TWICE AMENDED) A multi-layer golf ball comprising:

a spherical core:

an inner cover layer molded over said spherical core to form a spherical intermediate ball, said inner cover layer having a Shore D hardness of 60 or greater and comprising an ionomeric resin having no more than 16% by weight of an alpha, beta-unsaturated carboxylic acid and having a modulus of from about 15,000 to about 70,000 psi;

an outer cover layer molded about said spherical intermediate ball to form a multi-layer golf ball, the outer layer comprising a non-ionomeric elastomer selected from the group consisting of polyester elastomer, polyester, polyether polyurethane and

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P.6/6

09/832,154

P-3724-2-F1-C2

polyester amide, said outer cover layer having a modulus in the range of about 1,000 to about 30,000 psi and a Shore D hardness of 64 or less.

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b

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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NOTICE OF ALLOWANCE AND FEE(S) DUE

24492 7590 09/27/2002

MICHELLE BUGBEE, ASSOCIATE PATENT COUNSEL
SPALDING SPORTS WORLDWIDE INC
425 MEADOW STREET
PO BOX 901
CHICOPEE, MA 01021-0901

EXAMINER

GORDON, RAEANN

ART UNIT

CLASS-SUBCLASS

3711

473-374000

DATE MAILED: 09/27/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/832,154	04/10/2001	Michael J. Sullivan	P-3724-2-F1-C2	2656

TITLE OF INVENTION: MULTI LAYER GOLF BALL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$300	\$1580	12/27/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

☐ Applicant claims SMALL ENTITY status.
See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Box ISSUE FEE
 Commissioner for Patents
 Washington, D.C. 20231
Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

24492 7590 09/27/2002

MICHELLE BUGBEE, ASSOCIATE PATENT COUNSEL
 SPALDING SPORTS WORLDWIDE INC
 425 MEADOW STREET
 PO BOX 901
 CHICOPEE, MA 01021-0901

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/832,154	04/10/2001	Michael J. Sullivan	P-3724-2-F1-C2	2656

TITLE OF INVENTION: MULTI LAYER GOLF BALL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$300	\$1580	12/27/2002

EXAMINER	ART UNIT	CLASS-SUBCLASS
GORDON, RAEANN	3711	473-374000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.563).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY AND STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) ☐ individual ☐ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

- ☐ Issue Fee
- ☐ Publication Fee
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231
 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/832,154	04/10/2001	Michael J. Sullivan	P-3724-2-F1-C2	2656
24492	7590	09/27/2002	EXAMINER	
MICHELLE BUGBEE, ASSOCIATE PATENT COUNSEL SPALDING SPORTS WORLDWIDE INC 425 MEADOW STREET PO BOX 901 CHICOPEE, MA 01021-0901			GORDON, RAEANN	
			ART UNIT	PAPER NUMBER
			3711	
DATE MAILED: 09/27/2002				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
 (application filed on or after May 29, 2000)

The patent term adjustment to date is 142 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 142 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (<http://pair.uspto.gov>)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/832,154	04/10/2001	Michael J. Sullivan	P-3724-2-F1-C2	2656
24492	7590	09/27/2002	EXAMINER	
MICHELLE BUGBEE, ASSOCIATE PATENT COUNSEL SPALDING SPORTS WORLDWIDE INC 425 MEADOW STREET PO BOX 901 CHICOPEE, MA 01021-0901 UNITED STATES			GORDON, RAEANN	
			ART UNIT	PAPER NUMBER
			3711	
			DATE MAILED: 09/27/2002	

Notice of Possible Fee Increase on October 1, 2002

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2002, then the amount due may be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there may be an increase in fees effective on October 1, 2002. See Revision of Patent and Trademark Fees for Fiscal Year 2003: Notice of Proposed Rulemaking, 67 Fed. Reg. 30634, 30636 (May 7, 2002). Although a change to the amount of the publication fee is not currently proposed for October 2002, if the issue fee or publication fee is to be paid on or after October 1, 2002, applicant should check the USPTO web site for the current fees before submitting the payment. The USPTO Internet address for the fee schedule is: <http://www.uspto.gov/main/howtofees.htm>.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of any fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after October 1, 2002 (or mailed with a certificate of mailing on or after October 1, 2002), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Notice of Allowability

Application No.

09/832,154

Examiner

Raeann Gorden

Applicant(s)

MICHAEL J. SULLIVAN

Art Unit

3711

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment received 9-26-02.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☒ The drawings filed on 10 April 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 4 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. <u>8</u> . |
| 5 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. <u>7</u> . | 6 <input type="checkbox"/> Examiner's Amendment/Comment |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

Application/Control Number: 09/832,154
Art Unit: 3711

Page 2

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: the prior art of record does not disclose or fairly suggest a golf ball comprising: a core; an inner cover layer having a Shore D hardness of 60 or more, the inner cover layer comprising a blend of two or more low acid ionomer resins containing no more than 16% by weight of an alpha, beta-unsaturated carboxylic acid; and an outer cover layer having a Shore D hardness of 64 or less on said inner cover layer, said outer cover layer comprising a relatively soft polymeric material selected from the group consisting of non-ionomeric thermoplastic and thermosetting elastomers.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raeann Gorden whose telephone number is 703-308-8354. The examiner can normally be reached on 7:30 AM to 5:00 PM Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Sewell can be reached on 703-308-2126. The fax phone numbers for

CW 0308849

Application/Control Number: 09/832,154
Art Unit: 3711

Page 3

the organization where this application or proceeding is assigned are 703-305-3579 for regular communications and 703-308-3579 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1148.

rg
September 26, 2002


Steven Wong
Primary Examiner

CW 0308850

Substitute for form 1449A INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-I(II)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeann Gordon	Group: 3711

U.S. PATENT DOCUMENTS

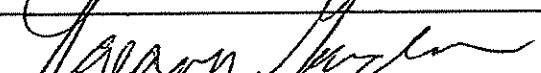
Examiner Initials*	Cite No.	Document No.	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Re	AA	2,741,480	10 APR 1956	Smith	
	AB	2,764,572	25 SEP 1956	Pechukas	
	AC	2,973,800	07 MAR 1961	Muccino	
	AD	3,053,539	11 SEP 1962	Piechowski	
	AE	3,264,272	02 AUG 1966	Rees	
	AF	3,313,545	11 APR 1967	Bartsch	
	AG	3,373,123	12 MAR 1968	Brice	
	AH	3,384,612	21 MAY 1968	Brandt et al.	
	AI	3,395,109	30 JUL 1968	Molitor et al.	
	AJ	3,458,205	29 JUL 1969	Smith et al.	
	AK	3,502,338	24 MAR 1970	Cox	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ?
		Country Code & Country Number				
Re	AL	GB 494,031	19 OCT 1938	Twiss, et al.		
	AM	GB 2 245 580 A	08 JAN 1992	Kim et al.		
	AN	GB 2 248 067 A	25 MAR 1992	Viollaz		
	AO	GB 2 264 302 A	25 AUG 1993	Pocklington		
	AP	GB 2 278 609 A	07 DEC 1994	Sullivan		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ?
Re	AQ	"Silicones" reprinted from <i>Encyclopedia of Polymer Science and Engineering</i> , Vol. 15, Second Edition, Pages 204-308, 1989	
Re	AR	<i>The Chemistry of Polyurethane Coatings: A General Reference Manual</i> , by Mobay Corporation, 1988	

Examiner Signature		Date Considered	9-26-02
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CW 0308851

Substitute for PTO		Atty. Docket No.: SLD 2 0035-3-3-1-1(II)		Application No.: 09/832,154	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)		First Named Inventor: Michael J. Sullivan			
		Filing Date: April 10, 2001		Examiner: Racann Gordon	
		Group: 3711			

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document No.	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Rao	AA	3,534,965	20 OCT 1970	Harrison et al.	
	AB	3,572,721	30 MAR 1971	Harrison, et al.	
	AC	3,756,607	04 SEP 1973	Lukinac et al.	
	AD	3,883,145	13 MAY 1975	Cox et al.	
	AE	3,979,126	07 SEP 1976	Dusbiber	
	AF	3,989,568	02 NOV 1976	Isaac	
	AG	4,076,255	28 FEB 1978	Moore et al.	
	AH	4,085,937	25 APR 1978	Schenk	
	AI	4,123,061	31 OCT 1978	Dusbiber	
	AJ	4,187,358	05 FEB 1980	Kyo et al.	
	AK	4,190,711	26 FEB 1980	Zdrhala et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ?
		Country Code & Country Number				
Rao	AL	GB 2 291 811 A	07 FEB 1996	Maruko et al.		
	AM	GB 2 291 812 A	07 FEB 1996	Maruko et al.		
	AN	GB 2 309 971 A	13 AUG 1997	Sullivan et al.		
	AO	EP 0 589 647 B1	22 JUL 1998	Yabuki et al.		
	AP	EP 0 630 665 A1	28 DEC 1994	Proudfit		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ?
Rao	AQ	Cytec Industries, Inc., "TMXDI®(META) Aliphatic Isocyanate" brochure, pp 2-11, 1994	
Rao	AR	Bayer Corporation, "Engineering Polymers: RIM Part and Mold Design: Polyurethanes" brochure, pp. 1-85, 12/95	

Examiner Signature	<i>Racann Gordon</i>	Date Considered	9/26/02
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Substitute for form 149A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(I)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeann Gordon	Group: 3711

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Re	AA	4,218,543	19 AUG 80	Weber et al.	
	AB	4,248,432	03 FEB 1981	Hewitt et al.	
	AC	4,272,079	09 JUN 1981	Nakade et al.	
	AD	4,274,637	23 JUN 1981	Molitor	
	AE	4,337,946	06 JUL 1982	Saito et al.	
	AF	4,431,193	14 FEB 1984	Nesbitt	
	AG	4,442,282	10 APR 1984	Kolycheck	
	AH	4,570,937	18 FEB 1986	Yamada	
	AI	4,582,887	15 APR 1986	Dominguez et al.	
	AJ	4,590,219	20 MAY 1986	Nissen et al.	
	AK	4,598,909	08 JUL 1986	Ventura et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ?
		Country Code & Country Number				
Re	AL	EP 0 630 665 A3	28 DEC 1994	Proudfit		
	AM	EP 0 633 043 A1	11 JAN 1995	Higuchi et al.		
	AN	EP 0 637 459 B1	08 FEB 1995	Higuchi et al.		
	AO	JP 7-24085	1993			
	AP		27 Jan 1995			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ?
Re	AQ	Bayer Corporation, "Engineering Polymers Properties Guide: Thermoplastics and Polyurethanes" brochure, pp. 1-29, date unknown	
Re	AR	Miles, Inc., "Engineering Polymers Properties Guide: Thermoplastics and Thermosets" brochure, pp. 1-24, 5/94	

Examiner Signature	<i>Raeann Gordon</i>	Date Considered	9-26-02
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CW 0308853



Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(II)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeann Gordon	Group: 3711

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No.	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Rg	AA	4,607,090	19 AUG 1986	Dominguez	
	AB	4,625,964	02 DEC 1986	Yamada	
	AC	4,650,193	17 MAR 1987	Molitor et al.	
	AD	4,660,830	28 APR 1987	Tomar	
	AE	4,674,751	23 JUN 1987	Molitor et al.	
	AF	4,679,795	14 JUL 1987	Melvin et al.	
	AG	4,683,257	28 JUL 1987	Kakiuchi et al.	
	AH	4,688,801	25 AUG 1987	Reiter	
	AI	4,690,981	01 SEP 1987	Statz	
	AJ	4,695,055	22 SEP 1987	Newcomb et al.	
	AK	4,714,253	22 DEC 1987	Nakahara et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ?
		Country Code & Country Number				
	AL					
	AM					
	AN					
	AO					
	AP					

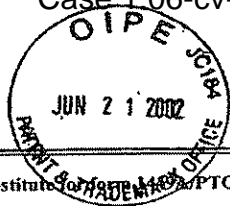
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ?
Rg	AQ	Hanser Publishers, "Polyurethane Handbook: Chemistry--Raw Materials--Processing--Application--Properties", 2nd Edition, Table of Contents and pp. 101-102, 1994	
	AR		

Examiner Signature	<i>Raeann Gordon</i>	Date Considered	9-26-02
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CW 0308854



Substitute for Notice of PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(U)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeann Gordon	Group: 3711

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	AK	4,915,390	10 APR 1990	Gobush et al.	

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Examiner Signature	<i>Raeann Gordon</i>	Date Considered	9-26-02
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Substitute for Information Disclosure INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(M)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Racann Gordon	Group: 3711

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<i>Ras</i>	AA	4,919,434	24 APR 1990	Saito	
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Examiner Signature	<i>Racann Gordon</i>	Date Considered	9-26-02
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Substitute for form PTO 449A/PTO 449B INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)		Atty. Docket No.: SLD 2 0035-3-3-1-1(II) Application No.: 09/832,154		First Named Inventor: Michael J. Sullivan	
Filing Date: April 10, 2001		Examiner: Raeann Gordon		Group: 3711	

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Examiner Signature		Date Considered	9/6/02
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(II)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeanu Gordon	Group: 3711

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Examiner Signature	<i>Raeanu Gordon</i>	Date Considered	9-26-02
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(M)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeann Gordon	Group: 3711

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Examiner Signature	<i>Raeann Gordon</i>	Date Considered	9-26-02
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Substitute for form 1449A-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(II)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeann Gordon	Group: 3711

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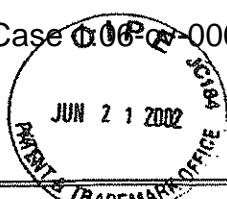
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Examiner Signature	<i>Raeann Gordon</i>	Date Considered	9-26-02
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(II)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Racann Gordon	Group: 3711

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CW 0308861

Substitute for Form 1449A (Rev. 10/01) INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(II)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Racann Gordon	Group: 3711

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Substitute for form 1449 APTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(II)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeann Gordon	Group: 3711

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Examiner Signature		Date Considered	9-26-02
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Substitute for form 1449A INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(II)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Raeann Gordon	Group: 3711

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Examiner Signature	<i>Raeann Gordon</i>	Date Considered	9-20-02
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CW 0308864

Substitute for form 149		Atty. Docket No.: SLD 2 0035-3-3-1-1(II)		Application No.: 09/832,154	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)		First Named Inventor: Michael J. Sullivan			
		Filing Date: April 10, 2001		Examiner: Raeann Gordon	
Group: 3711					

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Substitute for form 1449A & B INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)	Atty. Docket No.: SLD 2 0035-3-3-1-1(I)	Application No.: 09/832,154	
	First Named Inventor: Michael J. Sullivan		
	Filing Date: April 10, 2001	Examiner: Rameann Gordon	Group: 3711

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	AH	6,159,110	12 DEC 2000	Sullivan et al.	
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Examiner Signature	<i>Rameann Gordon</i>	Date Considered	9/26/02
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CW 0308866

Interview Summary	Application No. 09/832,154		Applicant(s) MICHAEL J. SULLIVAN	
	Examiner Raeann Gorden		Art Unit 3711	

All participants (applicant, applicant's representative, PTO personnel):

(1) Raeann Gorden. (3) _____

(2) Michelle Bugbee. (4) _____

Date of Interview: 25 September 2002.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.
If Yes, brief description: _____

Claim(s) discussed: 6.

Identification of prior art discussed: _____

Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

i) ☒ It is not necessary for applicant to provide a separate record of the substance of the interview (if box is checked).

Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case unless both applicant and examiner agree that the examiner will record same. Where the examiner agrees to record the substance of the interview, or when it is adequately recorded on the Form or in an attachment to the Form, the examiner should check the appropriate box at the bottom of the Form which informs the applicant that the submission of a separate record of the substance of the interview as a supplement to the Form is not required.

It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation Sheet (PTO-413)

Application No. 09/873,642

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant will provide Examiner with a copy of the original claims from the parent application (08/556,237) filed 11-9-95 to show the Shore D hardness and the flexural modulus is not new subject matter. Once reviewed by the Examiner applicant will amend the specification to include the Shore D hardness and flexural modulus for the outer layer. Applicant will also amend claim 6 to include the Shore D hardness values for each cover layer. Applicant will submit the changes in a supplemental amendment..

NOV 21 '02 08:37AM PATENT DEPT

P.1

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Box ISSUE FEE**
Commissioner for Patents
Washington, D.C. 20231
Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the **ISSUE FEE** and **PUBLICATION FEE** (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent Advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise to Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

Current Correspondence Address (Not Legacy mail-stop and not a correction of the above)
 24492 7190 09/21/2002

MICHELLE BUGBEE, ASSOCIATE PATENT COUNSEL
SPALDING SPORTS WORLDWIDE INC
425 MEADOW STREET
PO BOX 901
CHICOPH, MA 01021-0901

NOTE: A certificate of mailing can only be used for certified mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmittal.

Certificate of Mailing or Transmittal
 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Laura J Nolan (Depositor's name)
Laura J Nolan (Signature)
11/21/02 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/832,134	04/10/2001	Michael J. Sullivan	P-3724-2-F1-C2	2656

TITLE OF INVENTION: MULTI LAYER GOLF BALL

APPL. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1250	\$300	\$1550	12/27/2002

EXAMINER	ART UNIT	CLASS-SUBCLASS
GORDON, RABANN	3711	473-374000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.330).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" Indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE (CITY AND STATE OR COUNTRY)

Spalding Sports worldwide, Inc. Chicago, MA

Please check the appropriate assignee category or categories (will not be printed on the patent)

☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

☒ Issue Fee☒ Publication Fee☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

☐ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Commissioner is hereby authorized by check the required fee(s), or credit any overpayment, to Deposit Account Number 17-0150 (enclose an extra copy of this form).

Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) Michelle Bugbee Reg. No. 49370 (Date) November 20, 2002

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)

OMB No. 0470-0170 Approved for use through 01/31/2004. OMB 0551-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Received from <413322575> at 11/21/02 8:38:41 AM (Eastern Standard Time)

CW 0308870



UNITED STATES PATENT AND TRADEMARK OFFICE
UNDER SECRETARY OF COMMERCE FOR
INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT
AND TRADEMARK OFFICE
Alexandria, Virginia 22313

Patent No. 6,506,130

Paper No. 11

NOTICE OF *INTER PARTES* REEXAMINATION

Notice is hereby given that a request for *inter partes* reexamination of U.S. Patent No.

6,506,130 was filed on 1/17/06 under 35 U.S.C. 311(a) and

37 CFR 1.913.

The reexamination proceeding has been assigned Control No. 95/000,122.

This Notice incorporates by reference into the patent file, all papers entered into the reexamination file.

Note: This Notice should be entered into the patent file and given a paper number.

03/22/2006 08:17 FAX 612 288 9696

FISH AND RICHARDSON

001/015

COPY FOR PATENT
OFFICIAL COMMUNICATION FACSIMILE

CENTRAL REEXAMINATION UNIT (FAX NO: 571-273-9900)

Number of pages including this page 15

In re Sullivan)
 Reexamination Proceeding)
 Control No.: 95/000,120) Examiner: Michael W. O'Neill
 Filed: January 17, 2006) Art Unit: 3993
 For: U.S. Patent No. 6,210,293)

In re Sullivan)
 Reexamination Proceeding)
 Control No.: 95/000,121) Examiner: Michael W. O'Neill
 Filed: January 17, 2006) Art Unit: 3993
 For: U.S. Patent No. 6,503,156)

FAX RECEIVED

MAR 22 2006

REEXAM UNIT

In re Sullivan)
 Reexamination Proceeding)
 Control No.: 95/000,122) Examiner: Michael W. O'Neill
 Filed: January 17, 2006) Art Unit: 3993
 For: U.S. Patent No. 6,506,130)

In re Sullivan)
 Reexamination Proceeding)
 Control No.: 95/000,123) Examiner: Michael W. O'Neill
 Filed: January 17, 2006) Art Unit: 3993
 For: U.S. Patent No. 6,595,873)

The following documents are attached to this facsimile communication cover sheet,
 which was facsimiled to the United States Patent and Trademark Office on March 22, 2006:
 Revocation and New Power of Attorney documents and a Certification Under 37 C.F.R. § 1.903.

Respectfully submitted,

Date: March 22, 2006


 Dorothy P. Whelan (Reg. No. 33,814)
 J. Patrick Finn III (Reg. No. 44,109)

Fish & Richardson P.C., P.A.
 60 South Sixth Street, Suite 3300
 Minneapolis, MN 55402
 Telephone: (612) 335-5070
 Fax: (612) 288-9696

NOTE: This facsimile is intended for the addressee only and may contain privileged or confidential information. If you have received this facsimile in error, please immediately call us collect at (612) 335-5070 to arrange for its return. Thank you.

CW 0308872

03/22/2006 08:18 FAX 612 288 9696

FISH AND RICHARDSON

002/015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,210,293
 Issue Date : April 3, 2001
 Applicant : Michael J. Sullivan

Reexamination Proceeding
 Control No. : 95/000,120
 Filed : January 17, 2006

Art Unit : 3993
 Examiner : Michael W. O'Neill

Central Reexamination Unit
 Facsimile: 571-273-9900

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 C.F.R. § 3.73(b), CALLAWAY GOLF COMPANY, INC., a corporation of Delaware, certifies that it is the assignee of 100% of the right, title and interest in the above-referenced patent by virtue of:

☒ A chain of title from the inventor of the above-referenced patent to the current assignee as shown below. The reel and frame numbers of the recorded assignments or other documents in the chain of title are provided:

1. Assignment from Michael J. Sullivan to Spalding Sports Worldwide, Inc., recorded in the U.S. Patent and Trademark Office at Reel 7750, Frame 0242 on November 9, 1995, for parent patent application Serial No. 08/556,237.
2. Name change from Spalding Sports Worldwide, Inc. to The Top-Flite Golf Company, recorded in the U.S. Patent and Trademark Office at Reel 013712, Frame 0219 on June 2, 2003.
3. Assignment from The Top-Flite Golf Company to Callaway Golf Company, recorded in the U.S. Patent and Trademark Office at Reel 014007, Frame 0688 on September 26, 2003.

CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

March 22, 2006
 Date of Transmission
Judy Wasilikus
 Signature
JUDY WASILIKUS
 Typed or Printed Name of Person Signing Certificate

03/22/2006 08:18 FAX 612 288 9696

FISH AND RICHARDSON

003/015

Parent No. : 6,210,293
Issued : April 3, 2001
Applicant : Michael J. Sullivan

Reexamination Proceeding
Control No. : 95/000,120
Filed : January 17, 2006
Page : 2 of 3

To the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the above-referenced patent and appoints:

Dorothy P. Whelan, Reg. No. 33,814	Mark S. Ellinger, Ph.D., 33,812
Ronald C. Lundquist, Ph.D., Reg. No. 37,875	Richard J. Anderson, Reg. 36,732
J. Patrick Finn III, Ph.D., Reg. No. 44,109	John F. Hayden, Reg. No. 37,640
M. Angela Parsons, Ph.D., Reg. No. 44,282	John C. Phillips, Reg. No. 35,322
Teresa A. Lavoie, Ph.D., Reg. No. 42,782	Michael Catania, Reg. No. 36,474

with full power of substitution and revocation, to prosecute the above-referenced reexamination proceeding and to transact all business in the United States Patent and Trademark Office in connection with the above-referenced patent.

All correspondence regarding the application should be sent to:

Dorothy P. Whelan
Fish & Richardson P.C.
P.O. Box 1022
Minneapolis, MN 55440-1022

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

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FISH AND RICHARDSON

004/015

Patent No. : 6,210,293
Issued : April 3, 2001
Applicant : Michael J. Sullivan

Reexamination Proceeding
Control No. : 95/000,120
Filed : January 17, 2006
Page : 3 of 3


Code and that such willful false statements may jeopardize the validity of the above-referenced patent.

Respectfully submitted,

CALLAWAY GOLF COMPANY

Date:

March 21, 2006


Michael J. Rider, Esq.

Title: Senior Vice President,
General Counsel



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03/22/2006 08:19 FAX 612 288 9696

FISH AND RICHARDSON

005/015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,503,156
 Issue Date : January 7, 2003
 Applicant : Michael J. Sullivan

Reexamination Proceeding
 Control No. : 95/000,121
 Filed : January 17, 2006

Art Unit : 3993
 Examiner : Michael W. O'Neill

Central Reexamination Unit
 Facsimile: 571-273-9900

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 C.F.R. § 3.73(b), CALLAWAY GOLF COMPANY, INC., a corporation of Delaware, certifies that it is the assignee of 100% of the right, title and interest in the above-referenced patent by virtue of:

☒ A chain of title from the inventor of the above-referenced patent to the current assignee as shown below. The reel and frame numbers of the recorded assignments or other documents in the chain of title are provided.

1. Assignment from Michael J. Sullivan to Spalding Sports Worldwide, Inc., recorded in the U.S. Patent and Trademark Office at Reel 7750, Frame 0242 on November 9, 1995, for parent patent application Serial No. 08/556,237.
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March 22, 2006
 Date of Transmission

Judy Wasiluk
 Signature

JUDY WASILUK
 Typed or Printed Name of Person Signing Certificate

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FISH AND RICHARDSON

006/015

Patent No. : 6,503,156
Issued : January 7, 2003
Applicant : Michael J. Sullivan

Reexamination Proceeding
Control No. : 95/000,121
Filed : January 17, 2006
Page : 2 of 3

To the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the above-referenced patent and appoints:

Dorothy P. Whelan, Reg. No. 33,814	Mark S. Ellinger, Ph.D., 33,812
Ronald C. Lundquist, Ph.D., Reg. No. 37,875	Richard J. Anderson, Reg. 36,732
J. Patrick Finn III, Ph.D., Reg. No. 44,109	John F. Hayden, Reg. No. 37,640
M. Angela Parsons, Ph.D., Reg. No. 44,282	John C. Phillips, Reg. No. 35,322
Teresa A. Lavoie, Ph.D., Reg. No. 42,782	Michael Catania, Reg. No. 36,474

with full power of substitution and revocation, to prosecute the above-referenced reexamination proceeding and to transact all business in the United States Patent and Trademark Office in connection with the above-referenced patent.

All correspondence regarding the application should be sent to:

Dorothy P. Whelan
Fish & Richardson P.C.
P.O. Box 1022
Minneapolis, MN 55440-1022

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

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FISH AND RICHARDSON

007/015

Patent No. : 6,503,156
Issued : January 7, 2003
Applicant : Michael J. Sullivan

Reexamination Proceeding
Control No. : 95/000,121
Filed : January 17, 2006
Page : 3 of 3

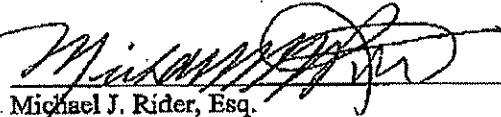
Code and that such willful false statements may jeopardize the validity of the above-referenced patent.

Respectfully submitted,

CALLAWAY GOLF COMPANY

Date:

March 21, 2006


Michael J. Rider, Esq.

Title: Senior Vice President,
General Counsel



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03/22/2006 08:20 FAX 612 288 9696

FISH AND RICHARDSON

008/015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,506,130
 Issue Date : January 14, 2003
 Applicant : Michael J. Sullivan

Reexamination Proceeding
 Control No. : 95/000,122
 Filed : January 17, 2006

Art Unit : 3993
 Examiner : Michael W. O'Neill

Central Reexamination Unit
 Facsimile: 571-273-9900

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 C.F.R. § 3.73(b), CALLAWAY GOLF COMPANY, INC., a corporation of Delaware, certifies that it is the assignee of 100% of the right, title and interest in the above-referenced patent by virtue of:

☒ A chain of title from the inventor of the above-referenced patent to the current assignee as shown below. The reel and frame numbers of the recorded assignments or other documents in the chain of title are provided.

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CERTIFICATE OF TRANSMISSION BY FACSIMILE

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March 22, 2006
 Date of Transmission
Judy Wasilkus
 Signature
JUDY WASILKUS
 Typed or Printed Name of Person Signing Certificate

03/22/2006 08:21 FAX 612 288 9696

FISH AND RICHARDSON

009/015

Patent No. : 6,506,130
 Issued : January 14, 2003
 Applicant : Michael J. Sullivan

Reexamination Proceeding
 Control No. : 95/000,122
 Filed : January 17, 2006
 Page : 2 of 3

To the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the above-referenced patent and appoints:

Dorothy P. Whelan, Reg. No. 33,814	Mark S. Ellinger, Ph.D., 33,812
Ronald C. Lundquist, Ph.D., Reg. No. 37,875	Richard J. Anderson, Reg. 36,732
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M. Angela Parsons, Ph.D., Reg. No. 44,282	John C. Phillips, Reg. No. 35,322
Teresa A. Lavoie, Ph.D., Reg. No. 42,782	Michael Catania, Reg. No. 36,474

with full power of substitution and revocation, to prosecute the above-referenced reexamination proceeding and to transact all business in the United States Patent and Trademark Office in connection with the above-referenced patent.

All correspondence regarding the application should be sent to:

Dorothy P. Whelan
 Fish & Richardson P.C.
 P.O. Box 1022
 Minneapolis, MN 55440-1022

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

03/22/2006 08:21 FAX 612 288 9696

FISH AND RICHARDSON

010/015

Patent No. : 6,506,130
Issued : January 14, 2003
Applicant : Michael J. Sullivan

Reexamination Proceeding
Control No. : 95/000,122
Filed : January 17, 2006
Page : 3 of 3

Code and that such willful false statements may jeopardize the validity of the above-referenced patent.

Respectfully submitted,

CALLAWAY GOLF COMPANY

Date:

March 21, 2006

[Signature]
Michael J. Rider, Esq.

Title: Senior Vice President,
General Counsel



6506130.doc

03/22/2006 08:22 FAX 612 288 9696

FISH AND RICHARDSON

011/015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,595,873
Issue Date : July 22, 2003
Applicant : Michael J. Sullivan

Reexamination Proceeding
Control No. : 95/000,123
Filed : January 17, 2006

Art Unit : 3993
Examiner : Michael W. O'Neill

Central Reexamination Unit
Facsimile: 571-273-9900

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 C.F.R. § 3.73(b), CALLAWAY GOLF COMPANY, INC., a corporation of Delaware, certifies that it is the assignee of 100% of the right, title and interest in the above-referenced patent by virtue of:

☒ A chain of title from the inventor of the above-referenced patent to the current assignee as shown below. The reel and frame numbers of the recorded assignments or other documents in the chain of title are provided.

1. Assignment from Michael J. Sullivan to Spalding Sports Worldwide, Inc., recorded in the U.S. Patent and Trademark Office at Reel 7750, Frame 0242 on November 9, 1995, for parent patent application Serial No. 08/556,237.
2. Name change from Spalding Sports Worldwide, Inc. to The Top-Flite Golf Company, recorded in the U.S. Patent and Trademark Office at Reel 013712, Frame 0219 on June 2, 2003.
3. Assignment from The Top-Flite Golf Company to Callaway Golf Company, recorded in the U.S. Patent and Trademark Office at Reel 014007, Frame 0688 on September 26, 2003.

CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

March 22, 2006
Date of Transmission
Judy Wasilkus
Signature
JUDY WASILKUS
Typed or Printed Name of Person Signing Certificate

03/22/2006 08:22 FAX 612 288 9696

FISH AND RICHARDSON

012/015

Patent No. : 6,595,873
Issued : July 22, 2003
Applicant : Michael J. Sullivan

Reexamination Proceeding
Control No. : 95/000,123
Filed : January 17, 2006
Page : 2 of 3

To the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the above-referenced patent and appoints:

Dorothy P. Whelan, Reg. No. 33,814	Mark S. Ellinger, Ph.D., 33,812
Ronald C. Lundquist, Ph.D., Reg. No. 37,875	Richard J. Anderson, Reg. 36,732
J. Patrick Finn III, Ph.D., Reg. No. 44,109	John F. Hayden, Reg. No. 37,640
M. Angela Parsons, Ph.D., Reg. No. 44,282	John C. Phillips, Reg. No. 35,322
Teresa A. Lavoie, Ph.D., Reg. No. 42,782	Michael Catania, Reg. No. 36,474

with full power of substitution and revocation, to prosecute the above-referenced reexamination proceeding and to transact all business in the United States Patent and Trademark Office in connection with the above-referenced patent.

All correspondence regarding the application should be sent to:

Dorothy P. Whelan
Fish & Richardson P.C.
P.O. Box 1022
Minneapolis, MN 55440-1022

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

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FISH AND RICHARDSON

013/015

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Control No. : 95/000,123
Filed : January 17, 2006
Page : 3 of 3

Code and that such willful false statements may jeopardize the validity of the above-referenced patent.

Respectfully submitted,

CALLAWAY GOLF COMPANY

Date:

March 21, 2006


Michael J. Rider, Esq.

Title: Senior Vice President,
General Counsel



6595873.doc

03/22/2006 08:24 FAX 612 288 9696

FISH AND RICHARDSON

014/015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Sullivan)
 Reexamination Proceeding)
 Control No.: 95/000,120) Examiner: Michael W. O'Neill
 Filed: January 17, 2006) Art Unit: 3993
 For: U.S. Patent No. 6,210,293)

In re Sullivan)
 Reexamination Proceeding)
 Control No.: 95/000,121) Examiner: Michael W. O'Neill
 Filed: January 17, 2006) Art Unit: 3993
 For: U.S. Patent No. 6,503,156)

In re Sullivan)
 Reexamination Proceeding)
 Control No.: 95/000,122) Examiner: Michael W. O'Neill
 Filed: January 17, 2006) Art Unit: 3993
 For: U.S. Patent No. 6,506,130)

In re Sullivan)
 Reexamination Proceeding)
 Control No.: 95/000,123) Examiner: Michael W. O'Neill
 Filed: January 17, 2006) Art Unit: 3993
 For: U.S. Patent No. 6,595,873)

Central Reexamination Unit
 571-273-9900

CERTIFICATION UNDER 37 C.F.R. § 1.903

In accordance with the requirements of 37 C.F.R. § 1.903, Patent Owner, Callaway Golf Company ("Callaway Golf"), hereby certifies that service of the accompanying Revocation and New Power of Attorney documents for the above-referenced *inter partes* reexamination proceedings was made by U.S. first class mail on March 22, 2006, to the following attorneys for Acushnet Company:

Alan M. Grimaldi (Reg. No. 26,599)
 Joseph P. Lavelle (Reg. No. 31,036)
 Andrew R. Sommer (Reg. No. 53,932)
 Howrey LLP
 1299 Pennsylvania Avenue, N.W.
 Washington, D.C. 20004

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FISH AND RICHARDSON

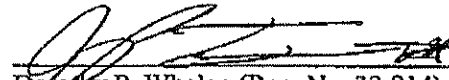
015/015

The accompanying Revocation and New Power of Attorney documents for the above-referenced *inter partes* reexamination proceedings also were sent to the attorneys for Acushnet Company via facsimile (202-383-6610) on March 22, 2006.

The Director is authorized to charge any fees or credit any overpayments to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 22, 2006


Dorothy P. Whelan (Reg. No. 33,814)
J. Patrick Finn III (Reg. No. 44,109)

Fish & Richardson P.C., P.A.
60 South Sixth Street, Suite 3300
Minneapolis, MN 55402
Telephone: (612) 335-5070
Facsimile: (612) 288-9696



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Bib Data Sheet

CORRECTED BIB DATA SHEET

CONFIRMATION NO. 2656

SERIAL NUMBER 09/832,154	FILING OR 371(c) DATE 04/10/2001 RULE	CLASS 473	GROUP ART UNIT 3711	ATTORNEY DOCKET NO. P-3724-2-F1-C2	
APPLICANTS Michael J. Sullivan, Barrington, RI; ** CONTINUING DATA ***** This application is a CON of 08/870,585 06/06/1997 ABN which is a CON of 08/556,237 11/09/1995 ABN which is a CIP of 08/542,793 10/13/1995 ABN which is a CIP of 08/070,510 06/01/1993 ABN ** FOREIGN APPLICATIONS ***** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 04/26/2001					
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after met Allowance Verified and Acknowledged Examiner's Signature _____ Initials _____		STATE OR COUNTRY RI	SHEETS DRAWING 1	TOTAL CLAIMS 6	INDEPENDENT CLAIMS 3
ADDRESS Dorothy P. Whelan Fish & Richardson P. C. P. O. Box 1022 Minneapolis, MN 55440-1022					
TITLE MULTI LAYER GOLF BALL					
FILING FEE RECEIVED 1010	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit		

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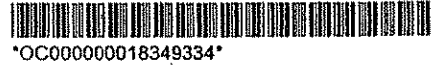
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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/832,154	04/10/2001	Michael J. Sullivan	P-3724-2-F1-C2

24492
THE TOP-FLITE GOLF COMPANY, A WHOLLY OWNED
SUBSIDIARY OF CALLAWAY GOLF COMPANY
2180 RUTHERFORD ROAD
LEGAL DEPT
CARLSBAD, CA 92008-7328

CONFIRMATION NO. 2656



OC00000018349334

Date Mailed: 03/23/2006

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/22/2006.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).


MARSHA A TWITTY
3999 (571) 272-7750

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 Alexandria, Virginia 22313-1450
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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/832,154	04/10/2001	Michael J. Sullivan	P-3724-2-F1-C2

Dorothy P. Whelan
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 P. O. Box 1022
 Minneapolis, MN 55440-1022

CONFIRMATION NO. 2656



OC000000018349417

Date Mailed: 03/23/2006

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/22/2006.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

By a. Twitty
 MARSHA A TWITTY
 3999 (571) 272-7750

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